

Art.-Nr.: 10.02.02.04607



SCPSb 2-14 S02 NO VD

Compact ejector SCPSb is delivered as a ready-to-connect product (without connection cable).

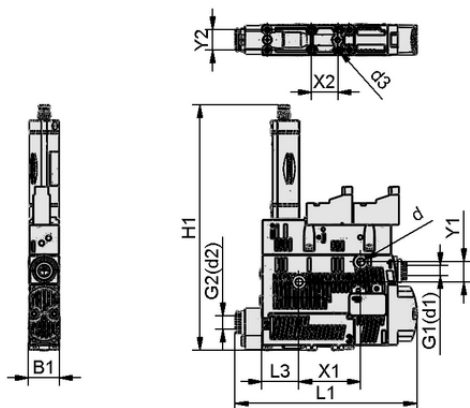
Available accessories: connection cable, top-hat rail clamp, vacuum filter, compressed air connection plate, mounting set, exhaust air set

## Technical data

| Attribute               | Value                 |
|-------------------------|-----------------------|
| Max. vacuum             | -850 mbar             |
| Air consumption suction | 82.0 l/min            |
| Suction rate (max.)     | 71.5 l/min            |
| Connection              | Hose D6(1)-D8(2)      |
| Nozzle size             | 2-14                  |
| Control valve           | Normally open         |
| Operation mode          | digital vacuum switch |

## Design data

| Attribute            | Value     |
|----------------------|-----------|
| Length L1            | 109.50 mm |
| Width B1             | 18.60 mm  |
| Height H1            | 146.50 mm |
| Internal diameter d1 | 6.0 mm    |
| d2                   | 8.0 mm    |
| Internal diameter d  | 4.40 mm   |
| Hole size d3         | 2.6 mm    |
| Length L3            | 22.00 mm  |
| Hole spacing Y1      | 12.0 mm   |
| Hole spacing Y2      | 12.0 mm   |
| Hole spacing X1      | 36.9 mm   |
| Hole spacing X2      | 16.0 mm   |



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**Technical data**

| Attribute                                 | Value                   |
|-------------------------------------------|-------------------------|
| Protection type IP                        | IP 40 (with plug)       |
| Degree of evacuation                      | 85.0 %                  |
| Weight                                    | 0.165 kg                |
| Max. air consumption blow-off             | 120.0 l/min             |
| Air consumption blow-off                  | 7.200 m <sup>3</sup> /h |
| Suction rate (max.)                       | 4.400 m <sup>3</sup> /h |
| Optimal operating pressure                | 4.50 bar                |
| Pressure range (operating pressure) [bar] | 3.0 ... 6.0 bar         |
| Product family                            | SCPSb                   |
| Nozzle size                               | 2-14                    |
| Control valve                             | Normally open           |
| Operation mode                            | digital vacuum switch   |



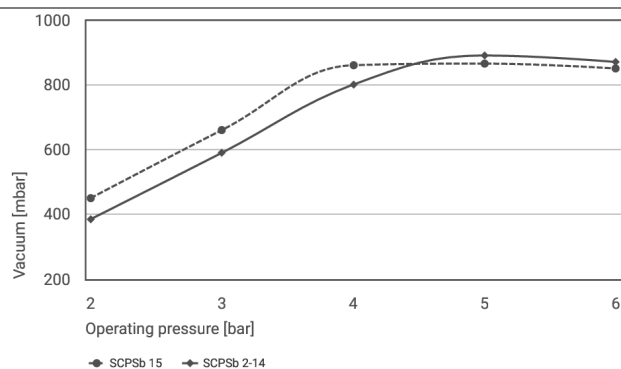
# Compact ejector SCPSb 2-14 S02 NO VD



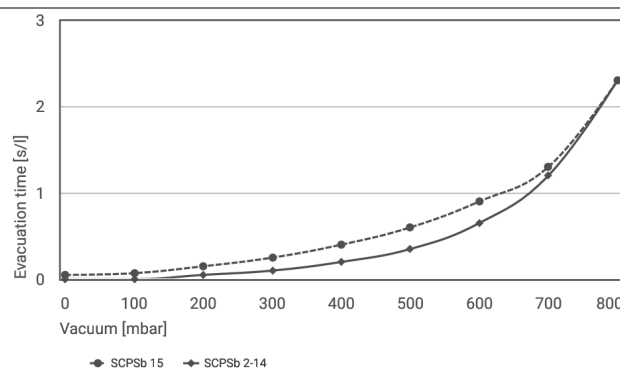
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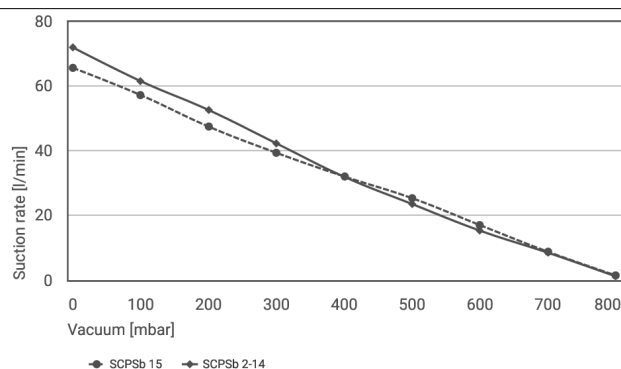
## Performance data



Achievable vacuum at various operating pressures



Evacuation time for various vacuum ranges [s/l]



Suction rate at various degrees of evacuation [l/min]



## Achievable vacuum at various operating pressures

|            | 2   | 3   | 4   | 5   | 6   |
|------------|-----|-----|-----|-----|-----|
| SCPSb 15   | 450 | 660 | 860 | 865 | 850 |
| SCPSb 2-14 | 385 | 590 | 800 | 890 | 870 |



[WWW.SCHMALZ.COM/10.02.02.04607](http://WWW.SCHMALZ.COM/10.02.02.04607)

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**Evacuation time for various vacuum ranges [s/l]**

|            | 0    | 100  | 200  | 300  | 400 | 500  | 600  | 700 | 800 |
|------------|------|------|------|------|-----|------|------|-----|-----|
| SCPSb 15   | 0.05 | 0.07 | 0.15 | 0.25 | 0.4 | 0.6  | 0.9  | 1.3 | 2.3 |
| SCPSb 2-14 | 0.0  | 0.0  | 0.05 | 0.1  | 0.2 | 0.35 | 0.65 | 1.2 | 2.3 |

**Suction rate at various degrees of evacuation [l/min]**

|            | 0    | 100  | 200  | 300  | 400  | 500  | 600  | 700 | 800 |
|------------|------|------|------|------|------|------|------|-----|-----|
| SCPSb 15   | 65.5 | 57.1 | 47.4 | 39.3 | 32   | 25.3 | 17   | 8.8 | 1.5 |
| SCPSb 2-14 | 71.8 | 61.4 | 52.5 | 42.2 | 31.9 | 23.5 | 15.3 | 8.5 | 1.2 |

**Further documentation**CAD data and other documents relating to the article can be found at: [www.schmalz.com/10.02.02.04607](http://www.schmalz.com/10.02.02.04607)**Ordering Data Accessories 10.02.02.04607**

| Typ                      |                         | Item number    |
|--------------------------|-------------------------|----------------|
| Exhaust air set          | ABL-SET SCPS zweistufig | 10.02.02.04667 |
| Connection cable         | ASK B-MIC10 3000 K-2P   | 21.04.06.00086 |
| Connection cable         | ASK B-M8-4 5000 K-4P    | 10.06.02.00031 |
| Top-hat rail clamp comp. | HUT-SN-KL 75x18x9 SCPS  | 10.02.02.04149 |
| Mounting set             | SET SCPS                | 10.02.02.04343 |
| Vacuum cup filter        | VFT G1/8-IG 80          | 10.07.01.00116 |
| Vacuum filter (inline)   | VFI CN8/6 50            | 10.07.01.00245 |
| Vacuum hose (meter)      | VSL 8-6 PU MI-TR        | 10.07.09.00003 |

